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12 December 1961

file:
Model 1 Inc.

MEMORANDUM FOR THE RECORD

SUBJECT: Inspection of First Two Production Model 1 Incinerators at

[Redacted]

25X1

1. On the 4th and 5th of December an inspection was conducted on the first two Model 1 Incinerators being produced by [Redacted]

25X1

[Redacted] The following personnel, along with company personnel, conducted this inspection:

25X1

[Redacted] - Chief, Engineers Section/OL
[Redacted] Physical Security Division/OS
[Redacted] - TSD/Engineering Branch
[Redacted]

25X1

25X1

25X1

2. The general workmanship of these two units appeared to be satisfactory. On the first unit a small pin hole was found in the corner of the door frame that had to be closed. A hard gasket was used initially in the door and it was necessary to change this to a softer gasket. Once these corrections were made cold air flow tests and burning tests were conducted. The following data was recorded during these tests:

Unit #5

Cold air flow pressure (inches of water) - 7.0
60 cycle - 220 volt

Time	Charge	Total Charge	High Temperature	Low	High Pressure
10:10	50	Initial	1800	750	6.8
10:16	15	65	1300	700	6.7
10:17	15	80	1700	400	7.0
10:20	15	95	1800	500	8.5
10:22	30	125	1400	400	6.5
10:26	30	155	1400	400	6.5
10:30	30	185	1800	600	6.8
10:36	15	200	1000	600	6.5
10:40	30	230	1600	600	6.8
10:45	30	260	1420	560	6.8 (7.5)
10:50	30	290	1900	400	6.8
10:54	30	320	1300	600	8.0 (8.5)
11:02	30	350	1800	460	7.8 (8.5)
11:08	30	380	1500	600	8.4
11:12	30	410	2000	600	7.4
11:18	30	440	2000	600	6.8
11:25	30	470	1800	600	7.0
11:30	30	500	1700		7.0
11:45				110	
11:50	OFF				

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Unit #6

Cold Air Flow - 6.6" H₂O at operating position
60 cycle - 220 volt

<u>Time</u>	<u>Charge</u>	<u>Total Charge</u>	<u>Temperature °F</u>		<u>Pressure " H₂O</u>
			<u>High</u>	<u>Low</u>	
1439	50	Initial	1320	800	6.8 (7.4)
1444	30	80	1960	800	7.4
1448	30	110	1460	800	7.5 (8.0)
1452	30	140	1600	800	7.4
1456	30	170	1800	800	7.4
1500	30	200	2000	800	7.2 (9.0)
1506 ¹ / ₂	30	230	1900	800	7.4
1510	30	260	1400	800	7.4
1514	30	290	1350	800	7.3
1516	30	320	1960	800	7.4 (10.0)
1519	30	350	1150	800	7.4
1521	30	380	1150	800	7.4
1524 ¹ / ₂	30	410	1980	800	7.8 (8.0)
1528 ¹ / ₂	30	440	1960	800	7.8 (8.2)
1532	30	470	1100	800	7.4
1534 ¹ / ₂	30	500	1700		7.4 (7.6)
1540			1100		7.2
1550			650		7.0
1600			400		8.5 (10.0)
1604 stirred			1200		7.2
1620	OFF				

$500 \times \frac{60}{101} = 297.03 \text{ lb per hour average}$

3. With the satisfactory results of these tests the first two Model 1 Incinerators were accepted. The fabricator was instructed to complete the painting and shipment of these two units as soon as possible. Three additional Model 1 Incinerators will be ready for inspection on December 21 with the final five to be inspected on December 28. [redacted] will inspect the units on December 21 and [redacted] will make the December 28th inspection.

4. During this inspection, it was noticed that all of the electric motors for the motor-blower arrangements are listed for 208, 22/440 Volt usage. The undersigned thought that 208, 22/380 volt electric motors were supposed to have been requisitioned as per a verbal discussion with the contract negotiator.

cc: Inspection Sec/OL [redacted]
PSD/OS [redacted]

TSD/EB [redacted]

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